

Figure 1

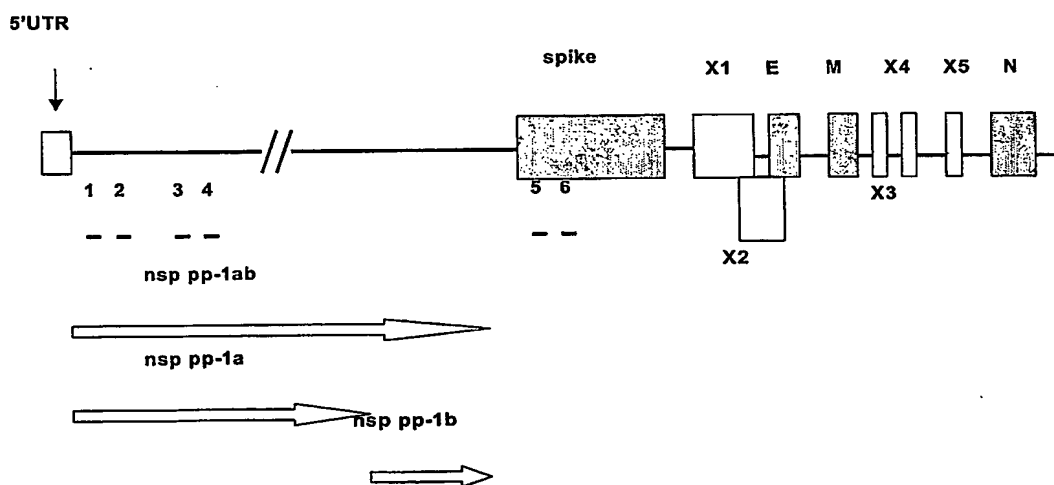


Figure 2

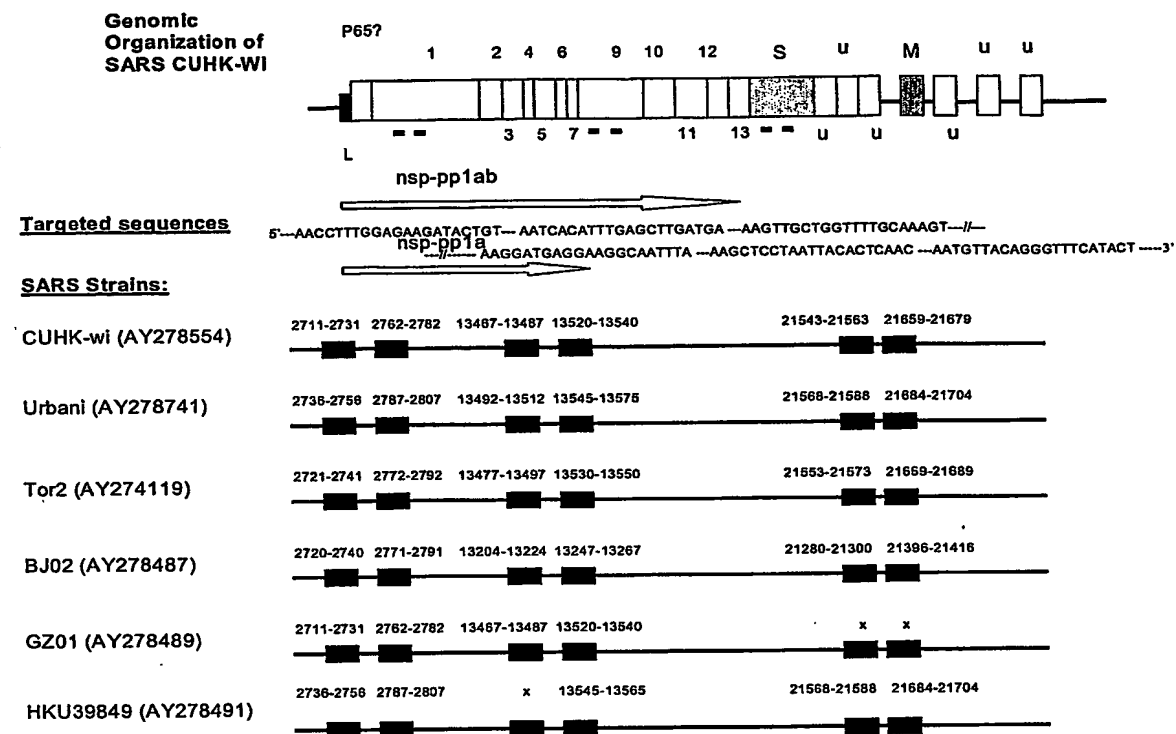


Figure 3

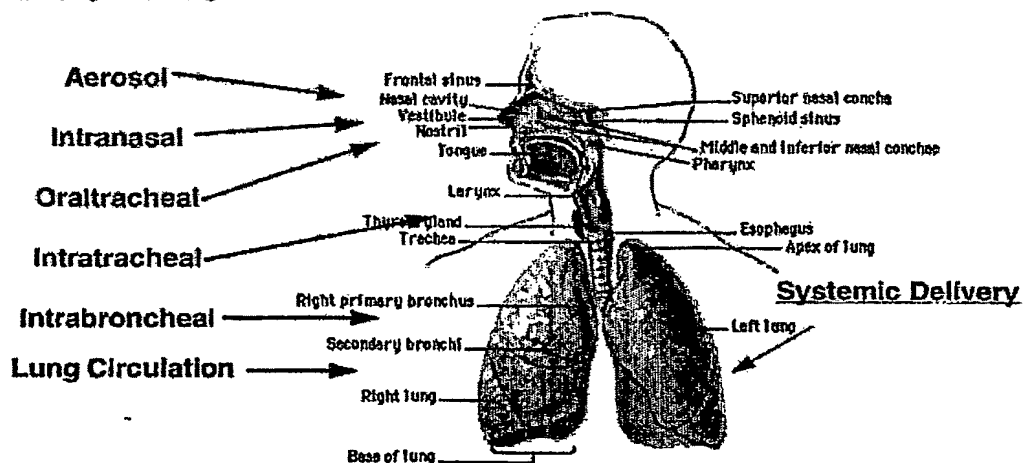
Airway Delivery

Figure 4

siRNA-Mediated Gene Knockdown in Mouse Lung by OT Delivery

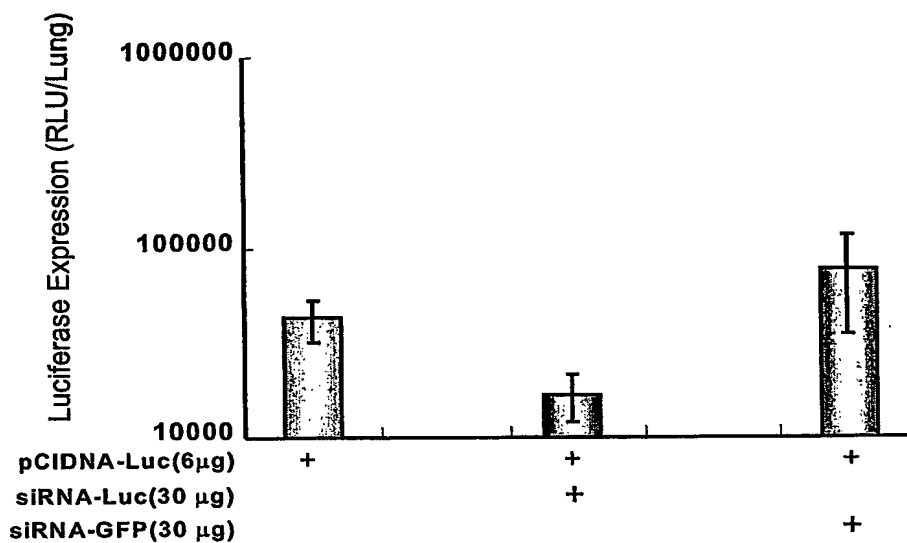
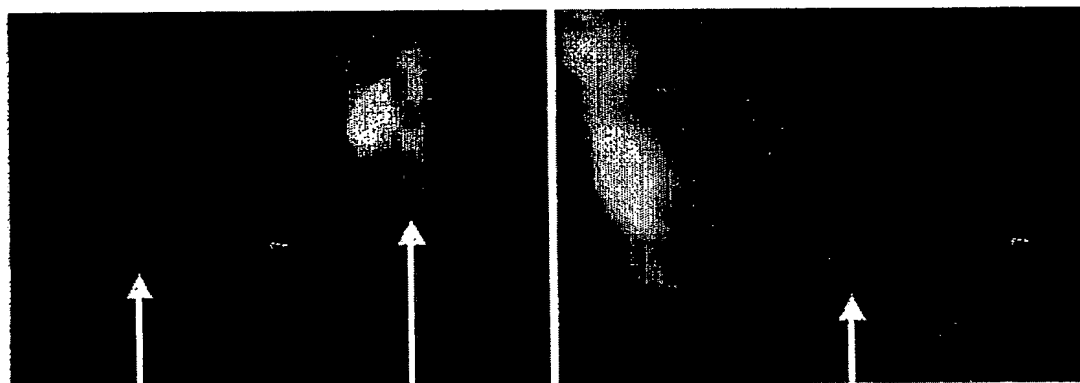


Figure 5

siRNA treated
without wash

siRNA treated
after wash



Respiratory trachea Lung

Lung

Figure 6

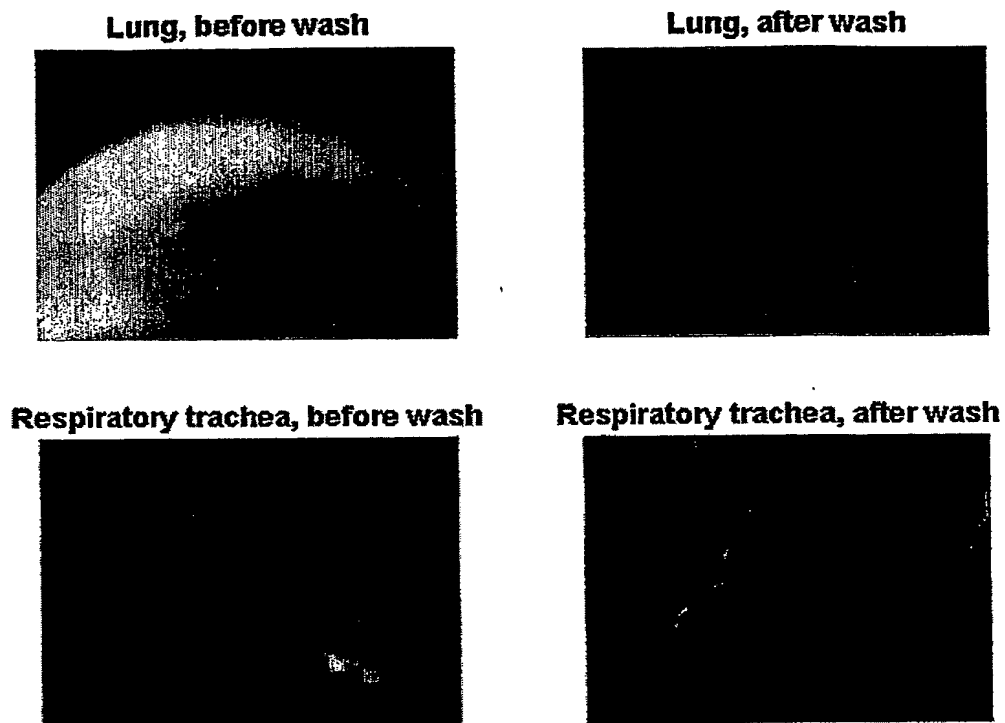


Figure 7

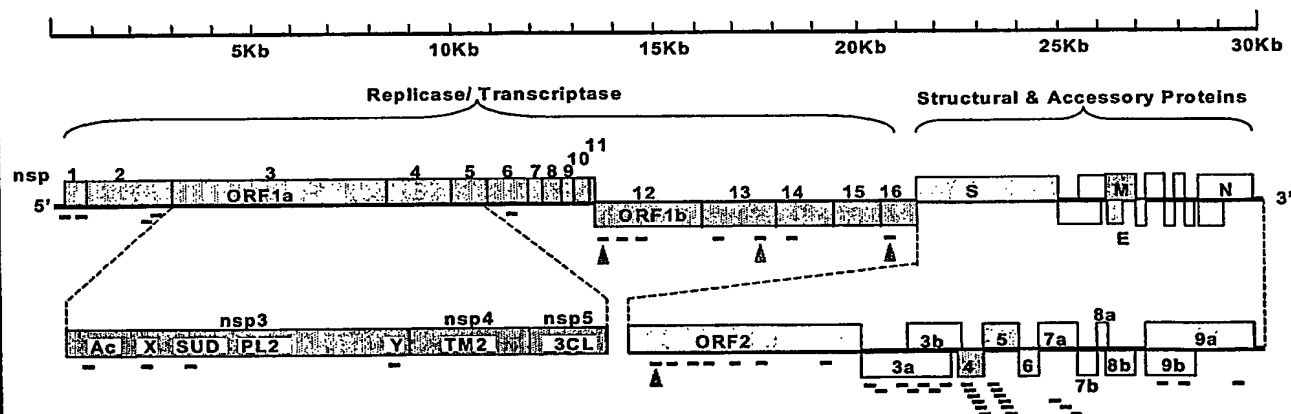


Figure 8

Figure 9

Name	Coding Region	Position (nt)	Sequence (5'-3')
SC01	nsp-12	13603-13623	aagagactattttataacttgg
SC02	Spike	21553-21573	aagctcctaattacactcaac
SC03	nsp-3	2772-2792	aatcacatttgagcttgatga
SC04	Spike	21669-21689	aatgttacagggtttcatact
SC05	nsp-12	13530-13550	aaggatgaggaaggcaattta
SC06	nsp-3	2721-2741	aacctttggagaagatactgt
SC07	5' UTR	146-166	aacgagtaactcgtccctctt
SC08	nsp-1	594-614	aattgcataccgcaatgttct
SC09	nsp-3	3236-3256	aacctacacctgaagaaccag
SC10	nsp-3	4172-4192	aaggatgtgctggttatacac
SC11	nsp-3	5758-5778	aaaggaccagtgactgatgtt
SC12	nsp-3	8096-8116	aagggtgtgttgataccgatg
SC13	nsp-6	11074-11094	aagcacgcattcttgtgcttg
SC14	nsp-13	17544-17564	aaggataagtcagctcaatgc
SC15	nsp-16	20843-20863	aactggcacactacttgtcga
SC16	nsp-12	14758-14778	aactcctattcgtagtgtgaag
SC17	nsp-13	16756-16776	aaggtgactatgggtgatgctg
SC18	nsp-14	18264-18284	aacctacctctccagctagga
SC19	Spike	22068-22088	aagggtatcaacctatagat
SC20	Spike	22289-22309	aatcacagatgctgttgattg
SC21	Spike	22951-22971	aaccttacagagttgttagtac
SC22	Spike	23272-23292	aagatgttaactgcactgatg
SC23	Spike	24871-24891	aagagctggacaagtacttca
SC24	E-protein	26121-26141	aagaaacagggtacgttaatag
SC25	E-protein	26137-26157	aatagttaatagcgtacttct
SC26	E-protein	26219-26139	tgtgcgtactgctgcaatatt
SC27	E-protein	26307-26327	aaggagtccctgatcttctgg
SC28	M-protein	26440-26460	aacctagtaataggtttccta
SC29	M-protein	26628-26648	aatggcttgattgttaggctt
SC30	M-protein	26760-26780	aattgtgaccagaccgctcat
SC31	M-protein	26876-26896	aagagatcactgtggctacat
SC32	M-protein	26968-26988	aaccgctaccgtattggaaac
SC33	M-protein	26789-26809	aaccagcttgagagcaaagtt
SC34	E-protein	26170-26190	aagcacattgacgcatacaaa
SC35	N-protein	28904-28924	aacagtacaacgtcactcaag
SC36	E-protein	26230-26250	aagactgatgaagctcagcct
SC37	ORF3a	25330-25350	aagtactgttcatgctacagc
SC38	ORF3a	25599-25619	aatgcatcaacgcatgtagaa
SC39	ORF3a	25618-25638	aattattatgagatgttggct
SC40	ORF3a	25764-25784	aagggtgacggcatttcaacac
SC41	ORF3a	25805-25825	aaattactacagacactggta
SC42	ORF3a	25929-25949	aaaatgctacattcttcatct
SC43	ORF3a	25984-26004	aatacacacaatcgacggctc
SC44	ORF7	27355-27375	aaccttgcccatcaggaacat
SC45	ORF7	27425-27445	aacttgactagcacacactt
SC46	ORF7	27541-27561	aagagctctactogccacttt
SC47	N-protein	28176-28196	aactgacaataaccagaatgg
SC48	N-protein	28355-28375	aaattggctactaccgaagag



Figure 10

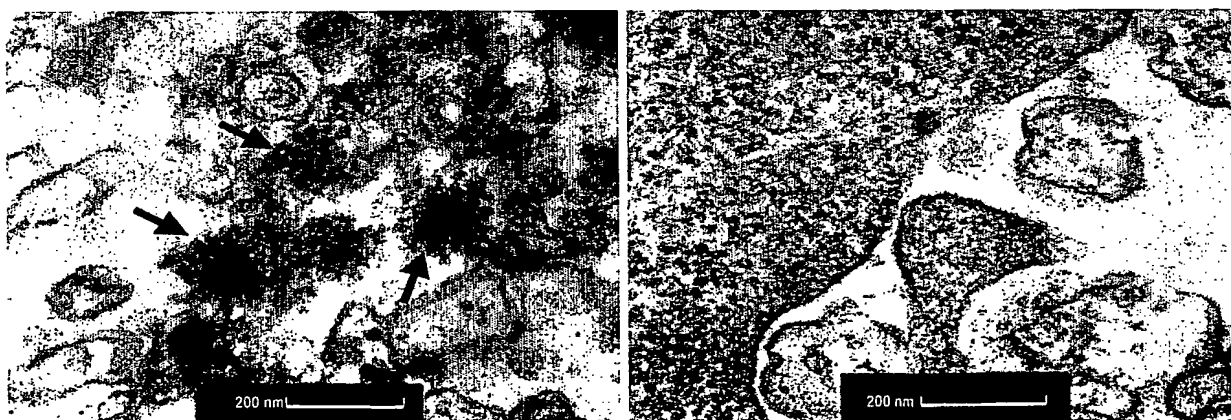


Figure 11

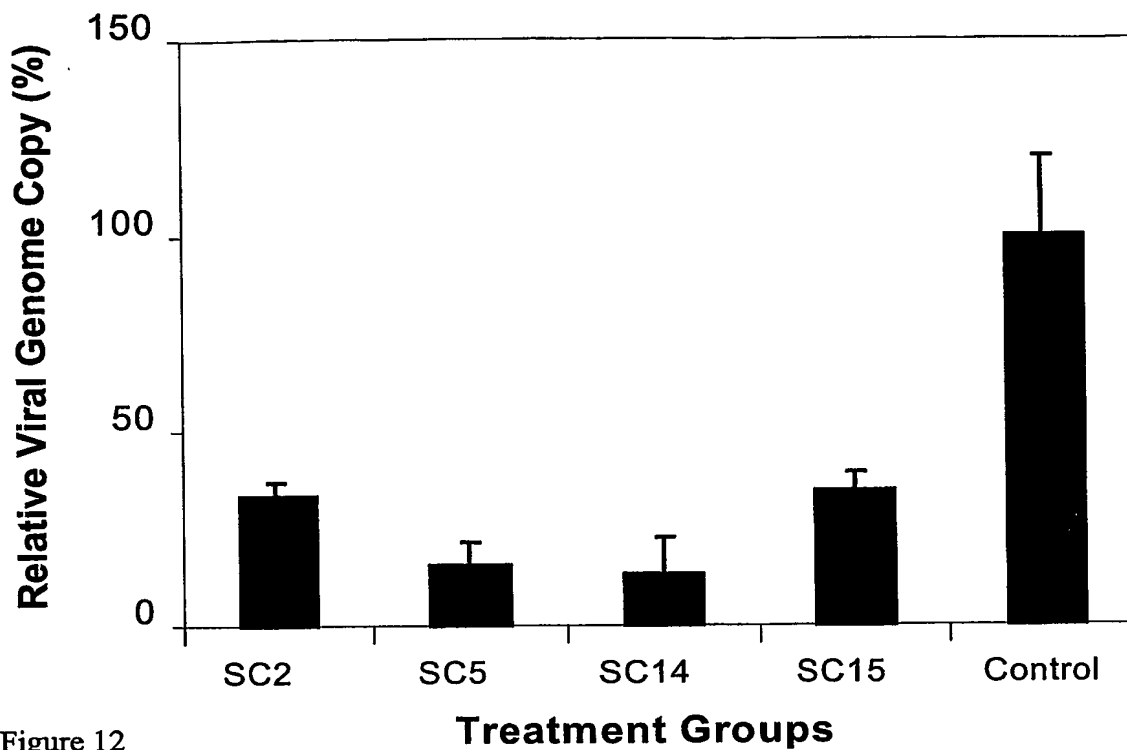


Figure 12

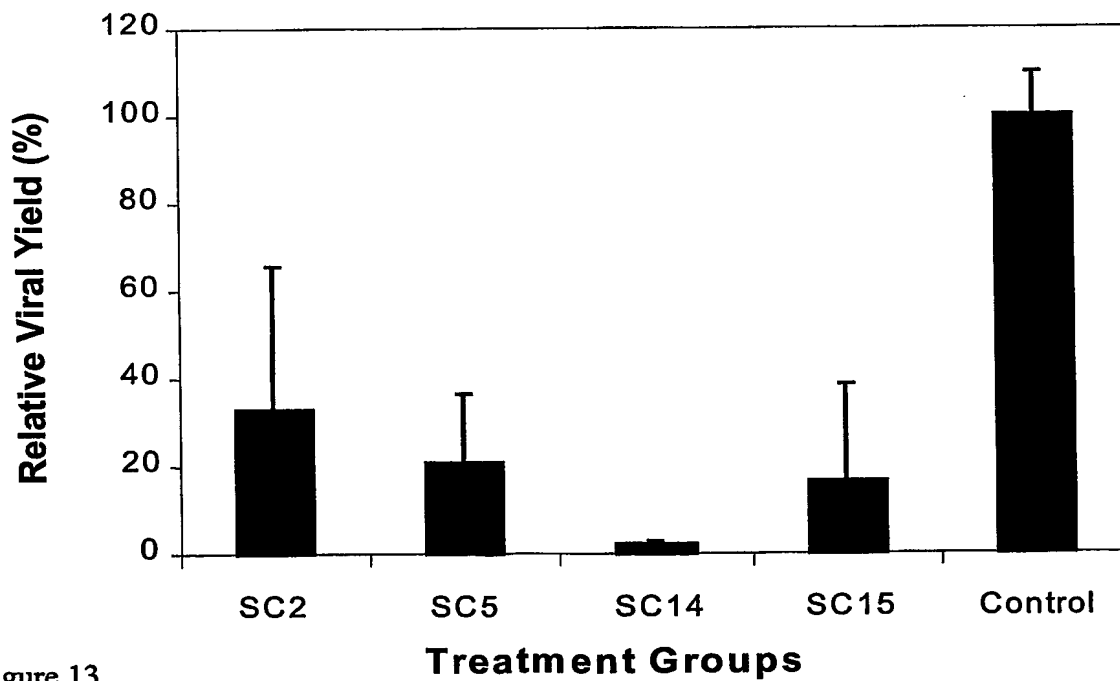


Figure 13

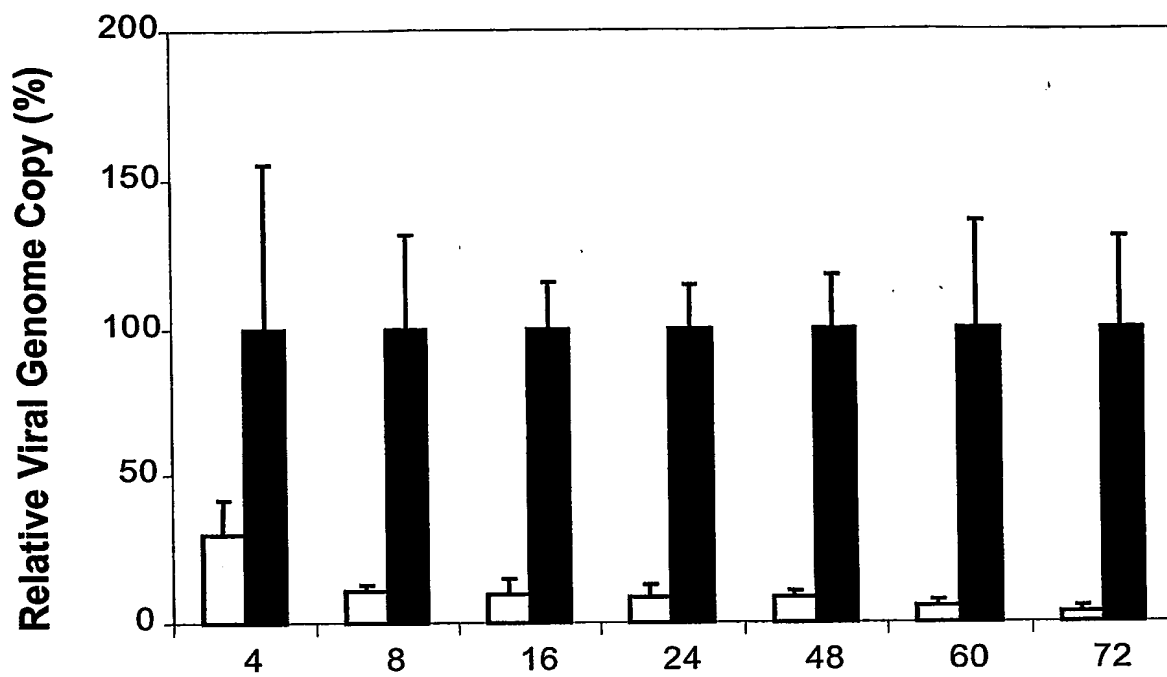


Figure 14 Time Intervals between Transfection/Infection (hr)

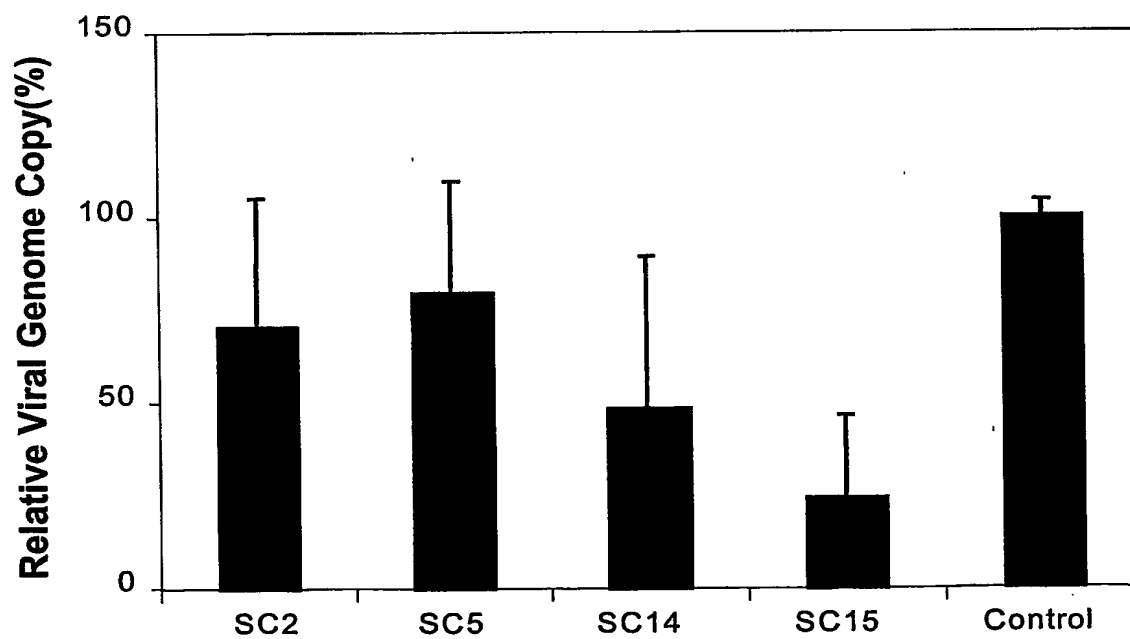


Figure 15

Treatment Groups

9/13

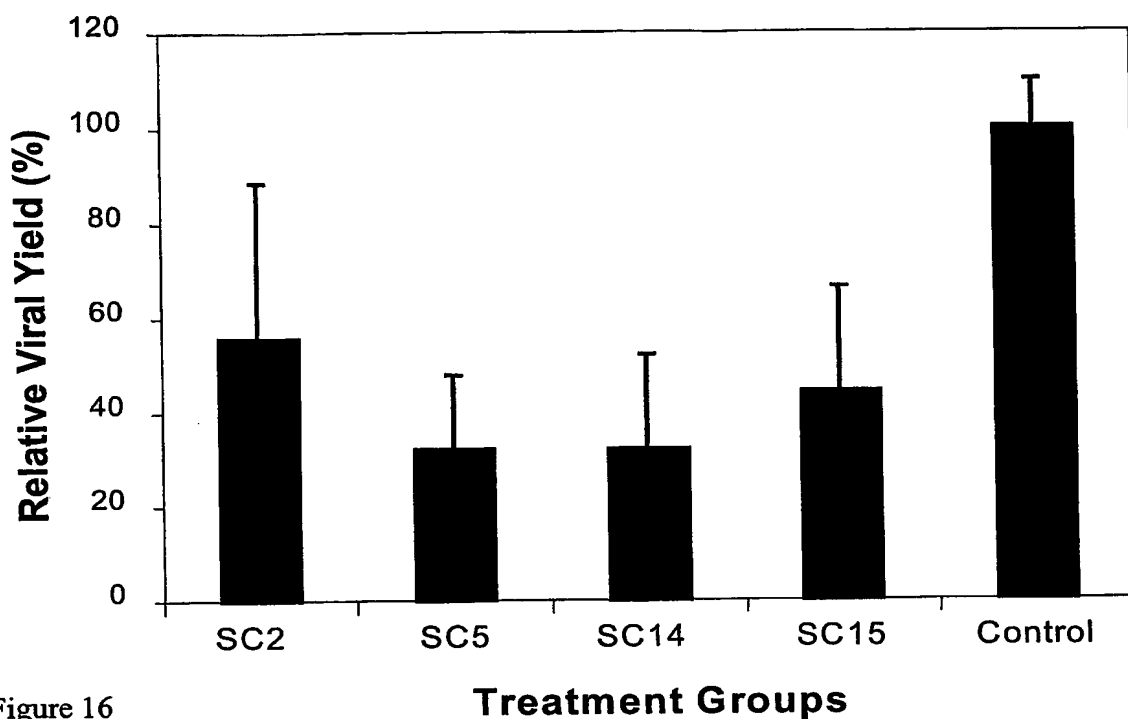


Figure 16

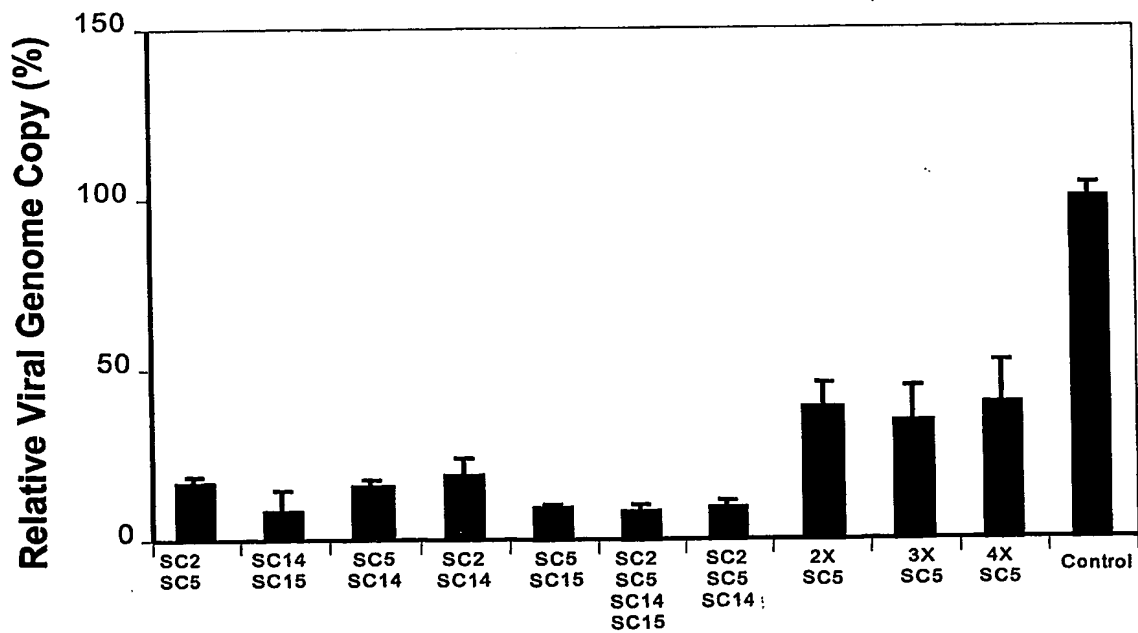


Figure 17

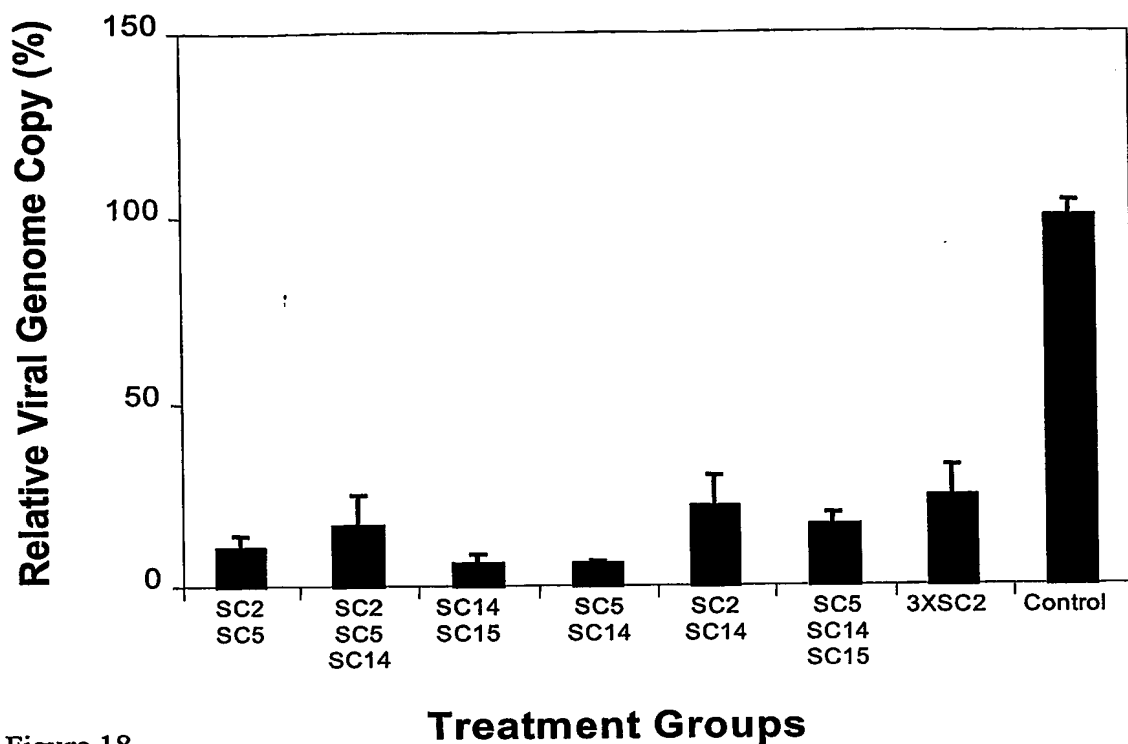


Figure 18

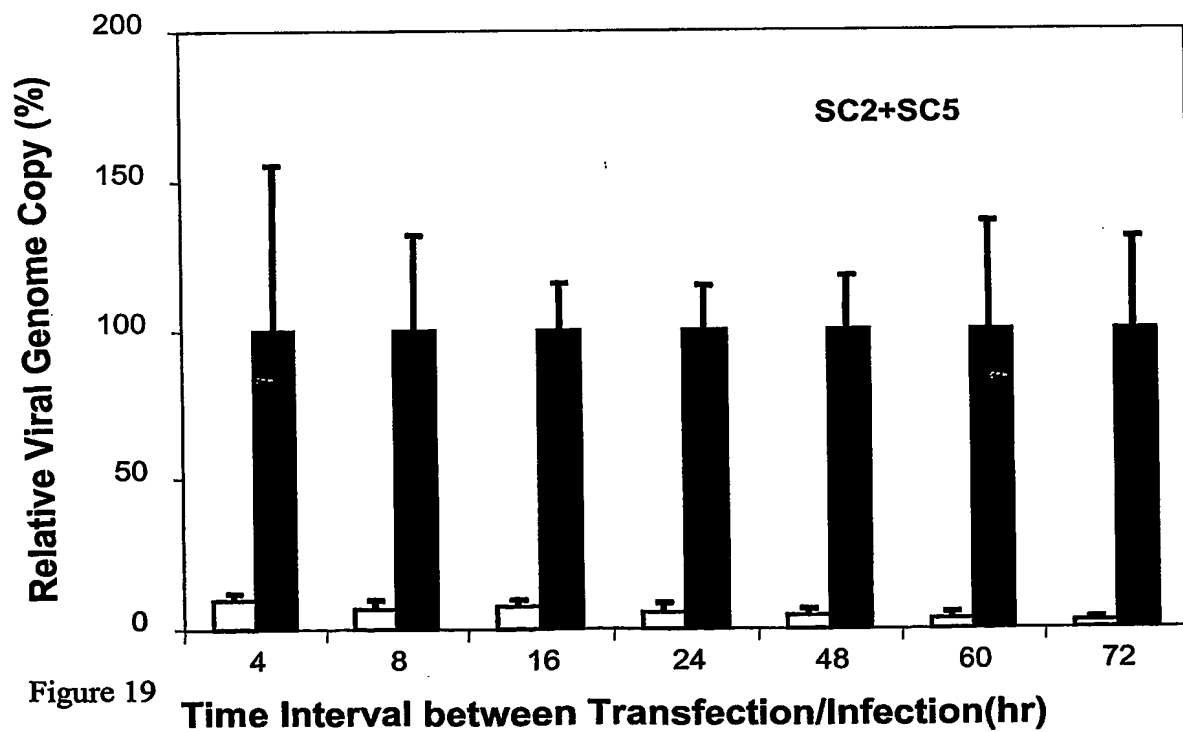


Figure 19

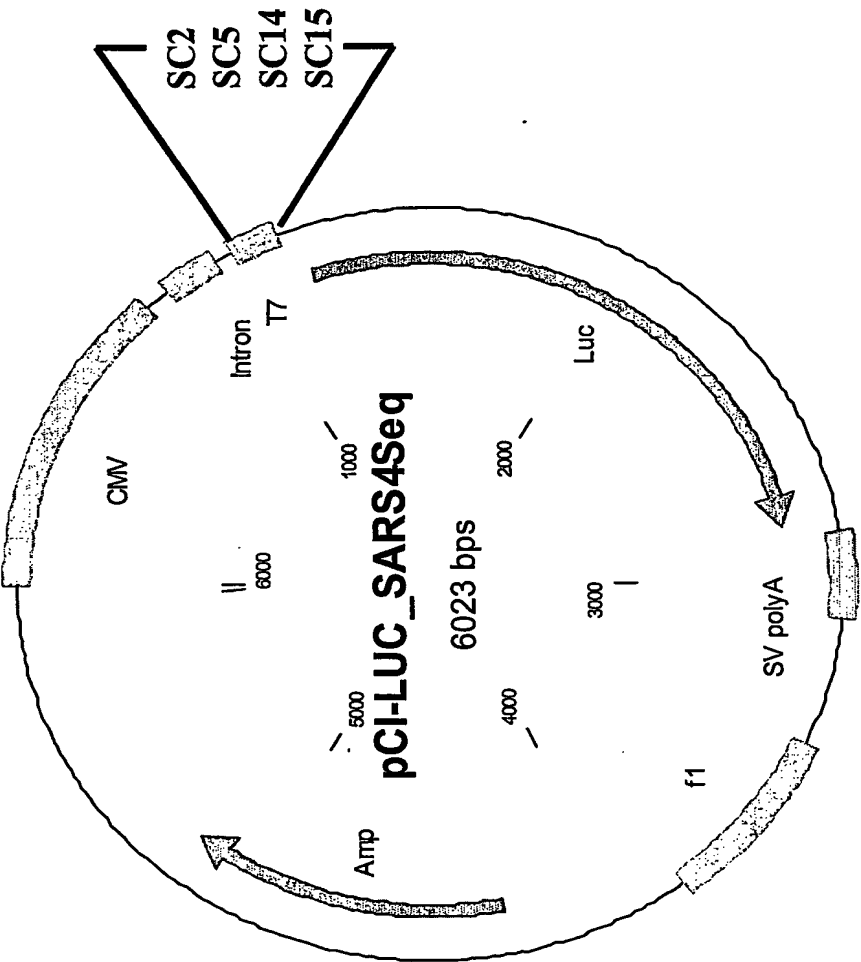


Figure 20

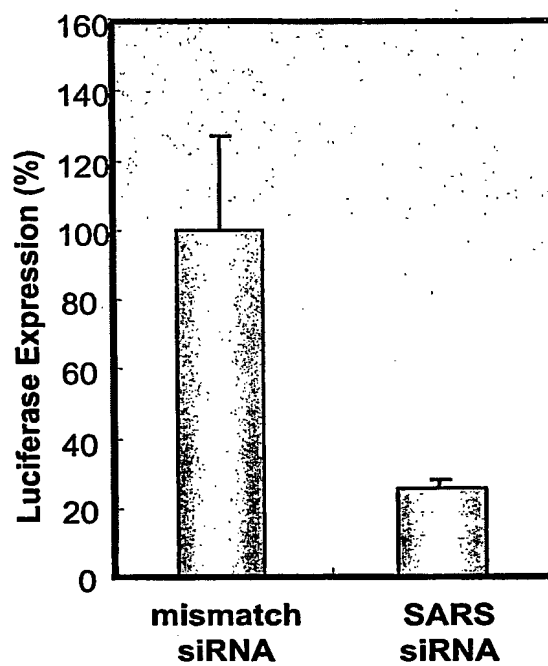
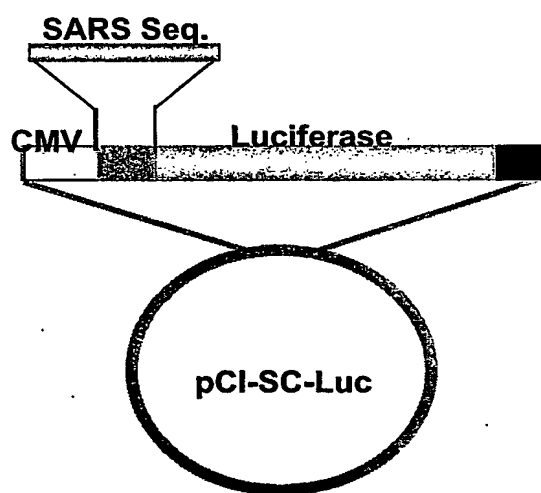
Intratracheal delivery of siRNA knocking down SARS sequence

Figure 21

Figure 22

Pathohistology Examination			
Group No.	Monkey No.	Pathological Status	Sum
I	151	+	6+
I	130	++	
I	203	++	
I	138	+	
II	166	+	7+
II	2	++	
II	77	++	
II	21	++	
III	210	+++	9+
III	15	++	
III	214	+++	
III	23	+	
IV	167	+	9+
IV	202	++++	
IV	163	+	
IV	208	++	
V	205	+	9+
V	206	++	
V	121	+++	
V	7	+++	

